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Amendments to the Claims:

 (currently amended) A method of producing a highstrength, low-shrinkage synthetic flat yarn, comprising the steps of

melt spinning a plurality of advancing filaments from a
molten polymer;

cooling and combining the filaments to form an advancing multifilament yarn;

drawing the advancing yarn;

compressing the advancing and drawn yarn to form an advancing plug of low plug density at an increased temperature;

disentangling the plug under a tension so as to withdraw the yarn from the plug in a heated condition and with the tension being sufficient to remove any significant crimp and form an advancing flat yarn; and

winding the flat yarn into a package.

- (original) The method of claim 1, wherein the molten polymer for melt spinning the filaments is extruded from a polyester.
- (original) The method of claim 1, wherein the compressing step occurs with the aid of a medium, which advances the yarn for forming the plug.
- 4. (original) The method of claim 3, wherein the medium consists of hot air or hot vapor.

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- (original) The method of claim 1, wherein the flat yarn is additionally drawn after disentangling the plug and before it is wound into a package.
- 6. (original) The method of claim 3, wherein while disentangling the plug, the position of the plug end is sensed, and that as a function of the position of the plug end, the temperature of the medium is controlled.
- 7. (original) The method of claim 1, wherein while disentangling the plug, the position of the plug end is sensed, and that as a function of the position of the plug end, the withdrawal speed of the flat yarn from the plug is controlled.
- 8. (original) The method of claim 1, wherein before being compressed, the yarn is guided by a godet, and that the ratio of the takeup speed for winding the flat yarn to the circumferential speed of the godet is greater than about 0.85 to 1.
- 9. (currently amended) A method of producing a highstrength, low-shrinkage synthetic flat yarn, comprising the steps of

melt spinning at least one advancing filament from a molten polymer;

cooling the one filament to form an advancing yarn; drawing the advancing yarn;

compressing the advancing and drawn yarn to form an advancing plug of low plug density at an increased temperature;

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disentangling the plug under a tension so as to withdraw the yarn from the plug in a heated condition and with the tension being sufficient to remove any significant crimp and form an advancing flat yarn; and

winding the flat yarn into a package.

10. (cancelled)

- 11. (previously amended) The apparatus of claim 15, further comprising a final draw zone downstream of the relaxation device for withdrawing and drawing the flat yarn.
- 12. (original) The apparatus of claim 11, wherein the final draw zone comprises at least one pair of godets, or at least one godet with a guide roll, which cooperates with the takeup device.
- 13. (currently amended) The apparatus of claim 15 [[10]], wherein the relaxation device comprises a feed nozzle upstream of the stuffer box chamber, which advances the yarn into the stuffer box chamber by means of a tempered fluid medium.
- 14. (original) The apparatus of claim 13, wherein the stuffer box chamber comprises a gas permeable guide section, through which the medium leaves the stuffer box chamber.
- (currently amended) An apparatus for producing a high-strength, low-shrinkage flat yarn comprising,

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a melt spinning device for melt spinning at least one advancing filament from a molten polymer,

a cooling zone positioned to cool the advancing filament and form an advancing yarn,

a draw zone positioned to draw the advancing yarn,

a relaxation device comprising a stuffer box chamber positioned to receive the drawn advancing yarn and form a compressed yarn plug of low plug density while heating the yarn, and

a yarn takeup device for withdrawing the heated yarn from the stuffer box chamber under sufficient tension to remove any significant crimp and produce a high-strength, low-shrinkage flat yarn.

16. (previously presented) The apparatus of claim 15, wherein the melt spinning device is configured for spinning a plurality of filaments, and further comprising guide means at the downstream end of the cooling zone for combining the filaments to form a multifilament yarn.